

What is claimed is:

1 1. A method of encapsulating a display element, comprising
2 steps of:

3 providing an organic light emitting diode or a plastic light
4 emitting diode, comprising a luminescent body formed on a glass
5 substrate and a glass cap with a rib structure formed on the
6 bottom surface thereof;

7 coating a sealing layer of frit on the rim of the glass cap
8 and surrounding the rib structure;

9 providing a pedestal on which the display element is placed;

10 providing a pressing plate disposed on the display element;

11 providing a high-power beam penetrating the glass cap to
12 focus on the sealing layer so as to sinter the frit; and

13 applying pressure on the pedestal and the pressing plate.
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1 2. The method of encapsulating a display element according
2 to claim 1, wherein the pedestal and the pressing plate are of
3 metal materials with good thermal conductivity.
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1 3. The method of encapsulating a display element according
2 to claim 1, wherein the high-power beam is a laser beam.
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1 4. The method of encapsulating a display element according
2 to claim 1, wherein the laser beam has a wavelength exceeding
3 550nm.

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1 5. The method of encapsulating a display element according
2 to claim 1, wherein the high-power beam is an infrared ray.

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1 6. The method of encapsulating a display element according
2 to claim 1, wherein the infrared ray has a wavelength exceeding
3 800nm.

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1 7. The method of encapsulating a display element according
2 to claim 1, wherein the rib structure is frit.

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1 8. The method of encapsulating a display element according
2 to claim 1, wherein the rib structure is of ceramic materials.

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1 9. The method of encapsulating a display element according
2 to claim 1, wherein the luminescent body is laminated with at
3 least an anode layer, an organic luminescent layer and a cathode
4 layer.

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